

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P323876

Luminaire Tested: **GAN-SA2B-750-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA2B-750-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9489 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

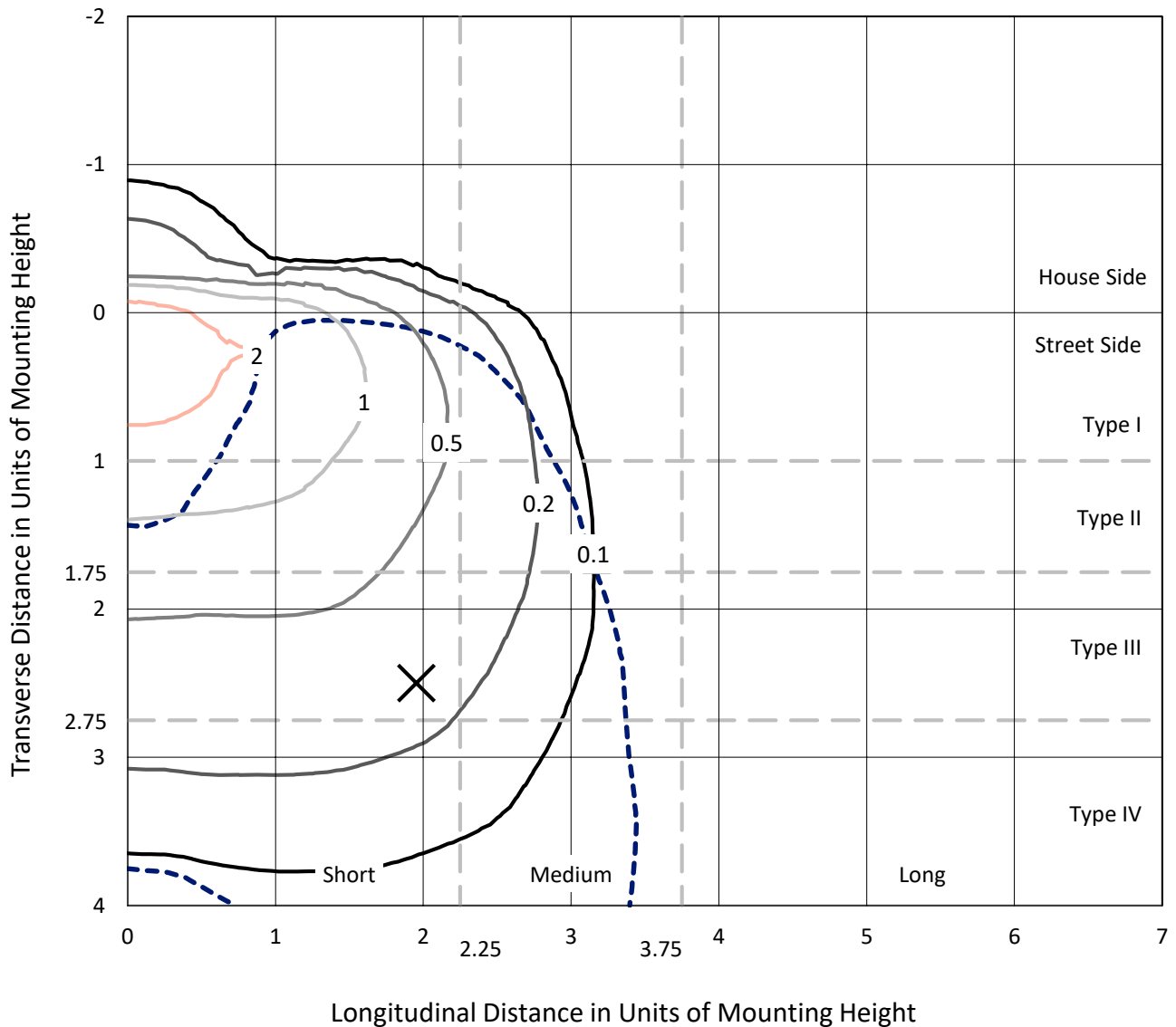
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

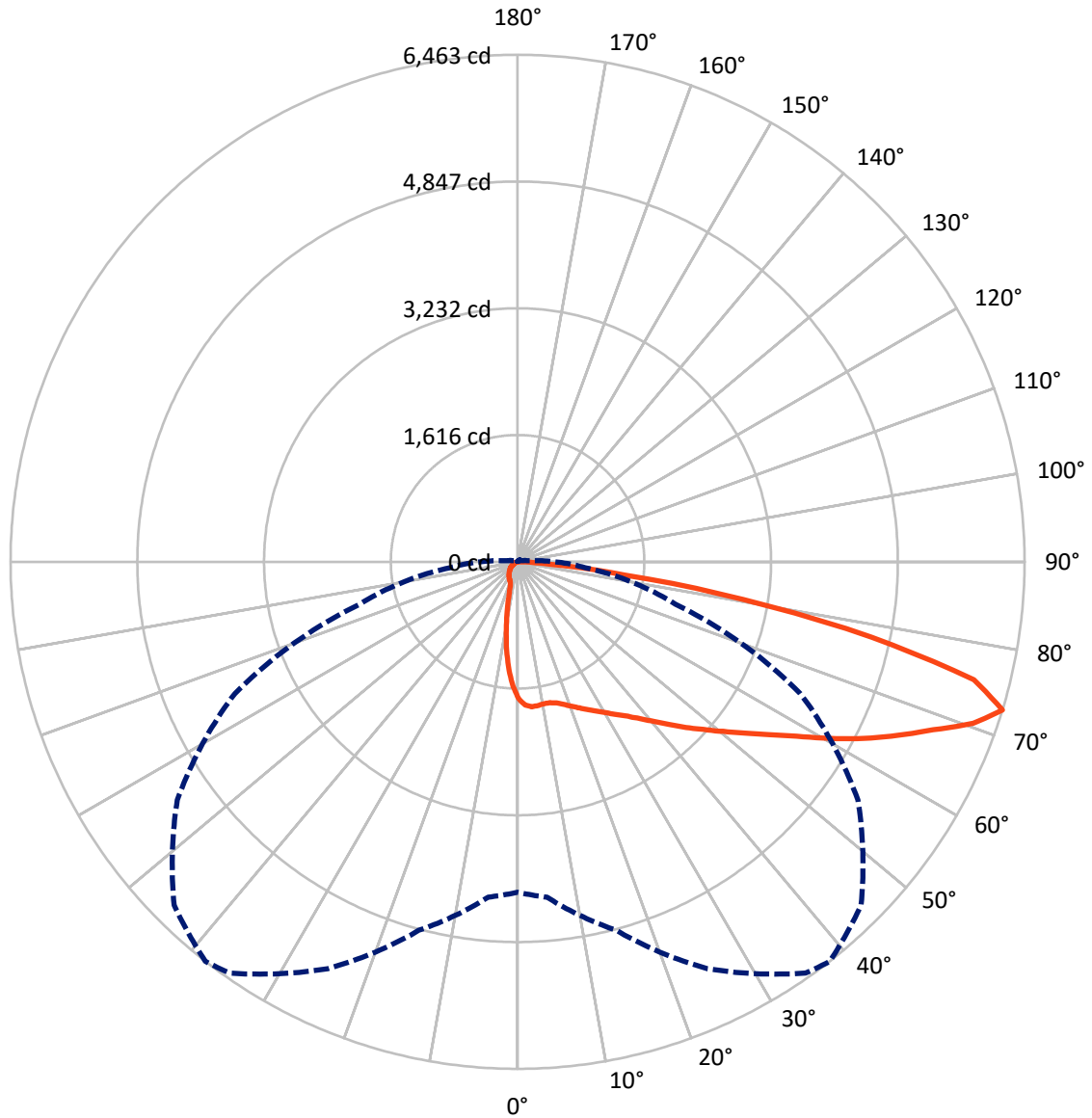
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	798.5	0.0	798.5
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	8690.5	0.0	8690.5
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	9489.0	0.0	9489.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.7	1.6
10°-20°	363.6	3.8
20°-30°	578.3	6.1
30°-40°	869.5	9.2
40°-50°	1326.4	14.0
50°-60°	1874.7	19.8
60°-70°	2351.5	24.8
70°-80°	1758.3	18.5
80°-90°	218.0	2.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9489.0	100.0
0°-180°	9489.0	100.0



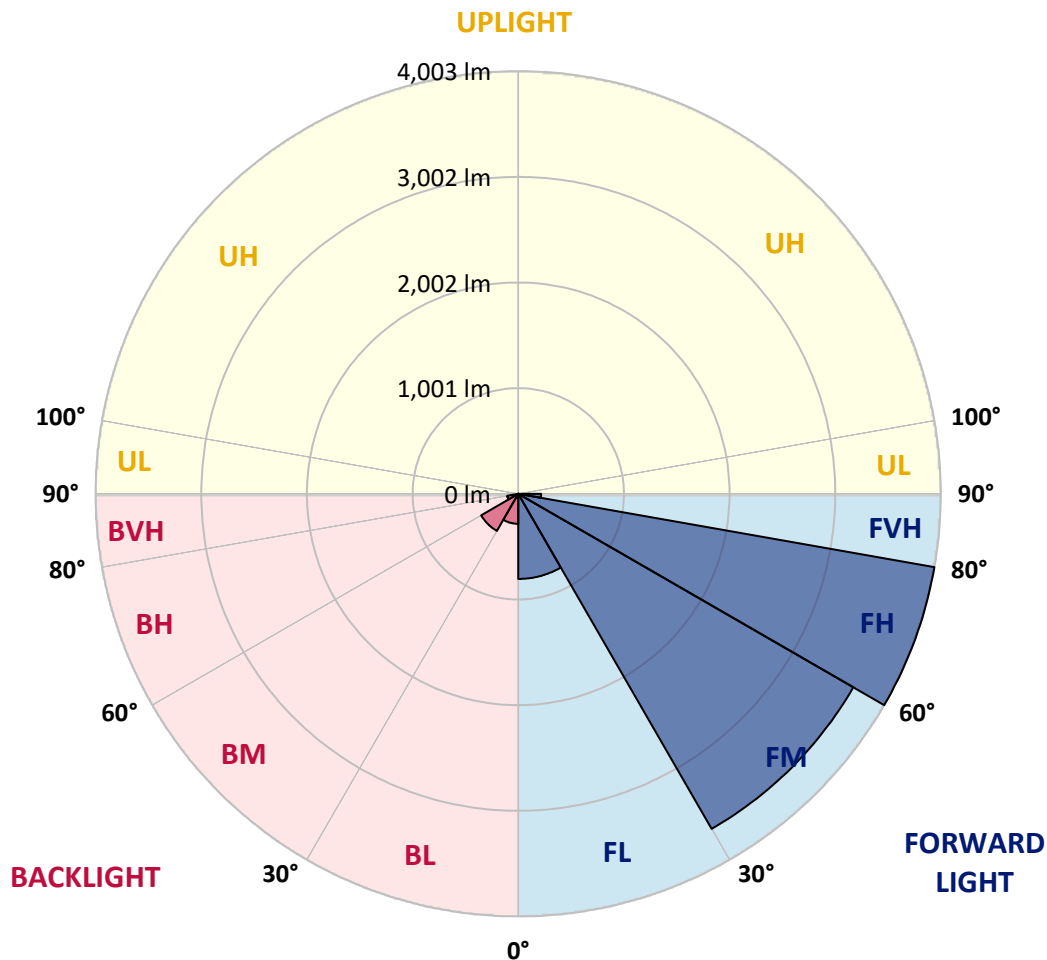
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	806.3	8.5			
FM (30°-60°)	3665.1	38.6			
FH (60°-80°)	4003.1	42.2			G2/5000
FVH (80°-90°)	216.0	2.3			G2/225
BL (0°-30°)	284.3	3.0	B1/500		
BM (30°-60°)	405.5	4.3	B1/1000		
BH (60°-80°)	106.7	1.1	B0/110		G0/110
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0
2.5°	1852.2	1852.6	1848.2	1841.2	1832.1	1827.4	1819.5	1806.9	1793.5	1769.4	1743.4
5°	1890.0	1890.0	1884.5	1875.0	1860.5	1856.1	1841.2	1821.1	1793.5	1754.5	1710.7
7.5°	1886.1	1886.9	1879.4	1869.5	1854.9	1851.0	1832.9	1810.4	1776.1	1728.8	1672.9
10°	1865.6	1867.6	1861.6	1856.9	1843.5	1839.2	1822.2	1799.8	1765.5	1715.0	1650.8
12.5°	1844.7	1846.7	1848.6	1853.0	1844.7	1843.1	1829.7	1810.8	1778.1	1725.7	1653.2
15°	1831.3	1835.2	1849.4	1866.4	1868.3	1866.8	1858.1	1840.4	1807.3	1752.9	1670.1
17.5°	1831.3	1837.6	1867.2	1899.5	1910.9	1912.1	1904.6	1879.8	1840.4	1782.0	1685.9
20°	1846.7	1855.3	1901.4	1947.2	1966.1	1966.1	1951.5	1916.8	1870.7	1808.4	1696.5
22.5°	1886.1	1897.5	1955.4	2008.2	2028.3	2024.0	2004.3	1953.9	1902.2	1838.4	1709.9
25°	1963.7	1972.4	2032.7	2085.9	2098.1	2088.2	2063.4	1998.8	1942.4	1879.0	1734.4
27.5°	2063.8	2065.0	2127.3	2172.2	2164.7	2158.0	2126.9	2055.1	2000.4	1936.9	1776.5
30°	2173.8	2173.8	2228.5	2262.8	2240.0	2234.4	2203.3	2123.3	2074.4	2015.7	1836.4
32.5°	2280.2	2284.9	2329.4	2351.1	2325.5	2320.0	2289.6	2209.6	2173.0	2135.9	1929.8
35°	2383.0	2386.6	2428.7	2440.6	2416.1	2417.7	2396.0	2328.2	2314.4	2309.7	2070.5
37.5°	2482.7	2483.5	2526.5	2533.9	2521.7	2535.1	2537.1	2477.2	2502.8	2541.0	2268.7
40°	2573.8	2574.5	2617.1	2636.4	2657.3	2674.6	2690.0	2658.1	2742.8	2831.5	2504.8
42.5°	2646.7	2654.9	2708.9	2745.6	2800.7	2833.8	2875.6	2874.0	3028.5	3161.7	2790.1
45°	2710.9	2725.1	2800.3	2864.6	2959.2	3012.0	3077.4	3128.6	3350.1	3529.4	3079.0
47.5°	2795.6	2809.0	2894.9	3000.1	3126.3	3195.6	3304.0	3414.7	3703.6	3890.4	3361.1
50°	2915.0	2909.1	2993.8	3144.8	3306.7	3397.8	3552.3	3718.2	4054.3	4204.9	3527.0
52.5°	3042.3	3039.9	3102.6	3302.0	3519.5	3625.9	3830.1	4031.9	4389.7	4421.6	3603.1
55°	3199.9	3183.0	3235.8	3481.3	3772.2	3886.4	4126.8	4342.4	4656.9	4543.8	3641.3
57.5°	3365.1	3337.1	3387.5	3681.1	4057.1	4192.2	4455.5	4645.0	4834.6	4627.3	3640.9
60°	3535.7	3502.6	3562.5	3931.0	4411.0	4567.4	4811.7	4849.6	5000.5	4669.5	3614.1
62.5°	3678.4	3658.7	3747.7	4198.2	4806.2	4959.9	5080.9	5035.6	5140.4	4702.2	3551.5
65°	3829.3	3830.5	3974.3	4509.9	5226.3	5330.0	5340.2	5276.8	5257.5	4695.5	3339.5
67.5°	4033.4	4052.3	4292.3	4933.1	5635.0	5715.0	5714.2	5538.0	5343.0	4429.1	2869.3
70°	4249.4	4293.9	4658.8	5417.4	6081.1	6162.3	6120.5	5704.3	5030.9	3581.4	2030.7
72.5°	4213.1	4290.4	4862.6	5722.9	6401.5	6463.3	6191.8	5295.7	3976.3	2081.5	864.6
75°	3250.4	3339.8	4458.6	5420.2	6065.3	6009.8	5320.1	4120.9	2173.0	580.9	194.7
77.5°	1717.0	1764.7	2945.4	4129.2	4729.4	4613.1	3747.7	2286.1	662.5	143.8	87.5
80°	899.3	910.3	1283.5	2342.8	2919.0	2919.8	2221.0	1004.1	273.1	73.7	58.7
82.5°	481.6	491.0	678.2	1082.5	1529.4	1386.4	850.4	552.5	158.8	41.8	56.4
85°	115.9	117.8	384.6	494.6	601.4	429.5	252.6	463.8	43.0	24.4	45.7
87.5°	44.5	45.3	142.7	214.0	153.3	99.3	118.2	173.0	5.5	9.5	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0	1745.0
2.5°	1727.7	1717.4	1692.2	1660.3	1631.9	1611.4	1580.7	1560.6	1547.2	1546.8	1541.6
5°	1683.9	1663.0	1608.6	1544.0	1485.3	1432.5	1370.2	1321.0	1284.3	1278.4	1265.8
7.5°	1637.0	1602.7	1519.2	1418.3	1319.8	1219.7	1103.4	1031.3	969.4	939.9	936.7
10°	1608.2	1560.2	1441.6	1295.7	1141.3	978.5	826.4	721.2	645.1	623.4	607.3
12.5°	1602.3	1538.9	1381.7	1180.7	960.0	744.8	576.5	464.6	403.9	384.6	379.5
15°	1608.2	1529.0	1331.2	1066.8	776.3	528.5	387.0	322.0	299.1	293.6	293.2
17.5°	1611.8	1517.2	1274.1	940.3	598.2	377.5	296.3	277.4	273.9	273.5	274.3
20°	1611.4	1499.1	1205.9	799.2	444.9	296.7	268.0	264.0	263.2	263.6	263.2
22.5°	1608.6	1477.8	1131.0	653.8	336.2	265.2	255.8	253.4	253.0	253.0	253.0
25°	1613.8	1460.9	1048.7	514.7	277.0	250.6	244.7	242.8	242.4	242.4	241.6
27.5°	1632.3	1451.4	958.4	396.1	250.2	237.6	232.9	232.5	231.3	230.9	231.7
30°	1662.2	1451.4	859.5	308.2	234.1	224.2	220.7	219.9	219.5	219.1	219.5
32.5°	1715.0	1462.4	751.5	256.2	218.7	209.3	206.9	208.1	206.9	206.9	206.9
35°	1810.4	1495.5	638.4	223.4	202.6	194.7	192.3	193.9	193.1	193.1	192.7
37.5°	1949.5	1557.0	524.5	203.7	188.4	180.1	176.9	179.3	178.5	178.5	178.1
40°	2119.0	1646.5	416.2	188.8	174.6	165.9	163.2	164.3	162.4	162.4	163.2
42.5°	2328.2	1760.0	321.6	174.2	160.8	152.5	150.9	149.8	146.2	144.2	144.6
45°	2560.7	1878.2	250.6	160.0	147.8	141.1	138.7	135.6	129.7	125.7	126.1
47.5°	2768.4	1969.2	203.7	146.2	136.0	130.8	127.3	121.4	112.7	108.0	108.4
50°	2877.6	1983.0	173.4	132.4	124.9	119.8	114.7	105.6	95.4	90.2	89.9
52.5°	2905.6	1918.4	150.9	119.8	113.9	108.0	101.3	89.1	77.6	72.1	71.3
55°	2915.8	1819.9	130.8	108.0	102.1	95.4	86.7	72.9	62.3	56.7	56.4
57.5°	2881.9	1672.9	115.1	97.3	90.2	82.0	71.3	58.3	48.1	43.7	43.7
60°	2806.7	1473.9	102.9	85.9	78.0	68.6	57.5	45.3	35.9	32.3	32.3
62.5°	2656.5	1216.1	91.4	74.1	66.6	56.7	46.5	34.3	25.2	23.3	23.6
65°	2373.2	922.5	80.0	63.4	56.7	46.9	36.3	24.4	16.9	16.9	17.7
67.5°	1935.3	640.8	68.2	54.0	48.9	38.2	27.6	16.9	11.8	13.4	15.0
70°	1281.2	359.4	58.3	44.5	41.8	30.3	20.5	11.4	9.5	12.6	15.4
72.5°	483.5	139.9	48.9	35.9	36.3	23.3	14.6	8.7	8.7	13.8	18.1
75°	134.8	68.6	35.1	26.4	28.4	16.9	10.6	7.5	8.3	15.8	21.3
77.5°	79.2	50.4	22.9	15.4	19.3	11.8	7.1	5.9	7.1	13.4	20.5
80°	63.8	26.8	13.4	7.9	10.6	6.7	4.7	3.5	2.0	5.1	10.6
82.5°	63.8	16.2	6.3	5.5	5.5	3.5	2.4	1.6	0.4	0.0	2.8
85°	43.0	6.7	3.9	3.5	2.8	1.2	0.8	0.4	0.0	0.0	0.0
87.5°	7.1	2.8	1.6	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)